

()

(// : // :)

/ * *

WEPP

WEPP

$$D = aI^b$$

)

D

() WEPP

b α (

() EUROSEM () GUEST

(

)

I

.()

WEPP

α

b

(kg m⁻² s⁻¹)

() WEPP

$$D_i = K_i I^2 S_f$$

(

K_i

D_i

S_f

()

()

$$D_i = K_i I q S_f$$

(

q

[] []

()

$$S_f = 1.05 - 0.85 \exp[-4 \sin(\theta)]$$

(

θ

()

()

()

() WEPP

K_i

()

(RUSLE USLE)

WEPP

WEPP

$$D_i = K_{iadj} I_e \sigma_{ir} SDR_{RR} F_{nozzle} \left[\frac{R_s}{W} \right]$$

(

D_i

(kg m⁻² s⁻¹)

() WEPP

(kg s m⁻⁴)

K_{iadj}

(K_{ib})

(m s⁻¹)

I

$$\frac{dG}{dx} = D_f + D_i$$

(

(m s⁻¹)

σ_{ir}

x (kg m⁻¹ s⁻¹)

G

SDR_{RR}

D_i

D_f (m)

... :

() F_{nozzle}

)

(/

/ / (m) W (m) R_s

/ WEPP

/ * *

/

()

) / * *

(

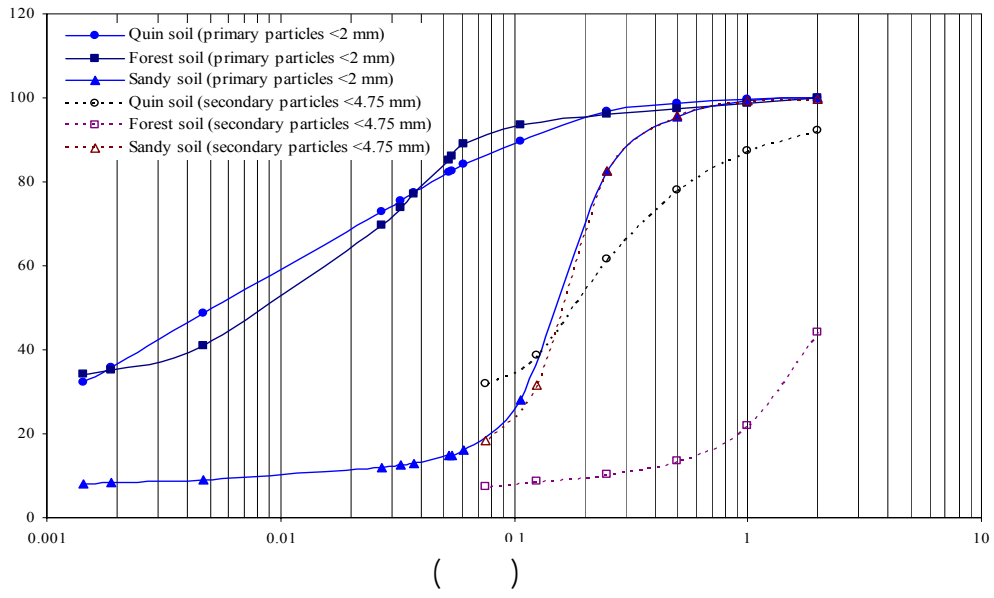
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EC pH

1. MWD

()

EC (dS m^{-1})	pH	CaCO ₃ (%)	OM (%)	SP (%)	MWD (mm)	(%)	(%)	(%)
/	/		/		/	/	/	/
/	/				/	/	/	/
/	/		/		/	/	/	/



/

/

)

)

(

(θ $l \cos \theta$)

)

(

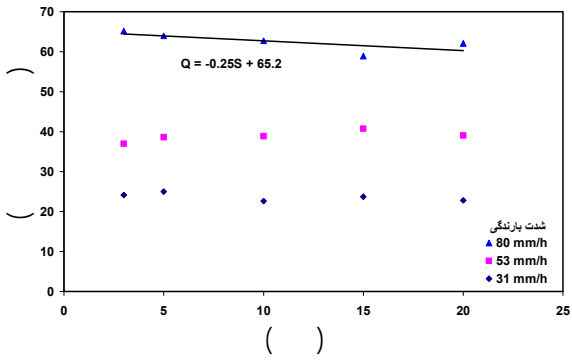
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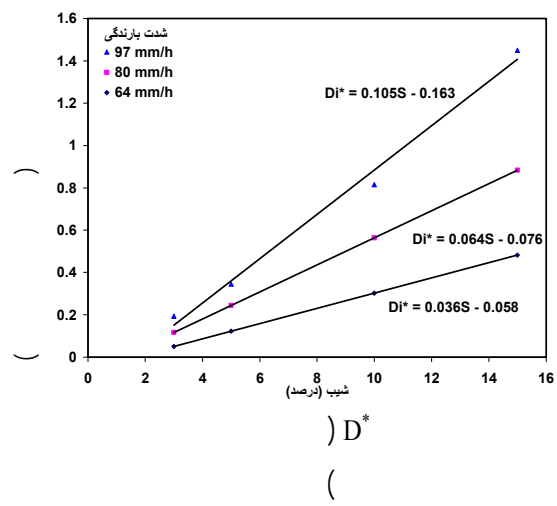
(

...

...

...

()



() GUEST

() WEPP

()

(a, b)

(Ω)

(Ω_0)

							(mm h ⁻¹)
							(%)
/	/	/	/	/	/	/	/
/	/	/	/	/	/	/	/
/	/	/	/	/	/	/	/
	/	/	/	/	/	/	/
				/	/	/	/

() [] []
)

(

() (K_i)

RUSLE USLE

([])

[] []

[] []

(M_{Di})

(S_{Di})

)

(

([])

([])

/

() []

)

(

(R²)

[]

()

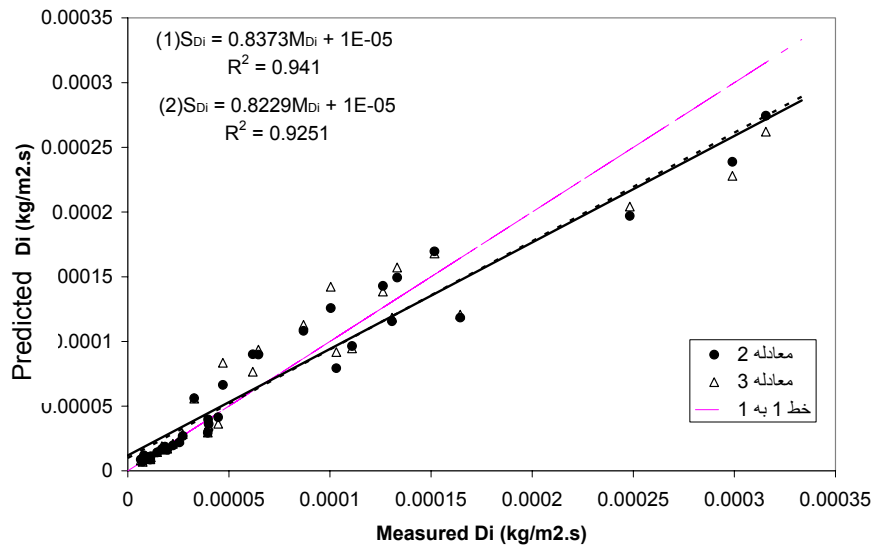
()

()

()

1. Deterministic

/	/	/	/	/	/	(10 ⁻⁵ × kg m ⁻² s ⁻¹)
/	/	/	/	/	/	(R ²)
/	/	/	/	/	/	(n)



$$R_s \quad [] \quad F_{nozzle} \quad SDR_{RR}$$

$$[] \quad [] \quad W$$

$$K_i * S_f \quad K_{iadj}$$

$$// \quad ([] \quad) [] []$$

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